

Roll No. ....

**24166**

**B. Tech. 5th Semester (CSE)  
Examination – February, 2022**

**MULTIMEDIA TECHNOLOGIES**

**Paper : IT-204-F**

*Time : Three Hours ]*

*[ Maximum Marks : 100*

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

**Note :** Attempt *five* questions in all, selecting *one* question from each Unit. Question No. 1 is *compulsory*. All questions carry equal marks.

1. Write short note on :

4 × 5 = 20

- (a) Shading techniques
- (b) Vector drawing
- (c) Quadraphonic signal processing
- (d) Tools used for orientation making in VR

**UNIT – I**

2. (a) Explain different types of multimedia servers and databases in details. 10

- (b) Write short note on ATM in multimedia distribution network. 10
3. (a) Define anti-aliasing. Explain the types of anti-aliasing techniques. 10
- (b) Explain video on demand in detail. 10

#### UNIT – II

4. (a) Explain JPEG objectives and architecture in details. 15
- (b) Describe the features of PNG image format. 5
5. (a) Why the colour models used in monitors and printers are different ? Explain one colour model used in printers. 10
- (b) Explain the features of different lossless image formats. 10

#### UNIT – III

6. Explain how sound can be digitally represented and discuss various methods of encoding analog signals. 20
7. (a) Explain in detail the audio synthesis. 10
- (b) Describe MIDI standards. 10

#### UNIT – IV

8. (a) Differentiate between firewalls and proxy servers. 10
- (b) Discuss the VR visually coupled system requirements. 10
9. (a) Describe the intelligent multimedia system and its working. 10
- (b) Write short note on Quality of Service. 10